

*SR 518 Route Development Plan
and
SR 518/SR 99 Interchange
Environmental Analysis*

Consultant Information Packet

Washington State Department of Transportation
Office of Urban Mobility



**Washington State
Department of Transportation**

Project Summary

The Washington State Department of Transportation, Office of Urban Mobility (WSDOT-OUM) requests proposals from consulting firms and teams who wish to assist with the SR 518 Route Development Plan (RDP) and Environmental Assessment (EA).

The study will be initiated in September 2000 and be completed over the next 18 months. The successful consultant will possess through knowledge of transportation planning and NEPA/SEPA requirements.

The consultant will be responsible for developing corridor alternatives (including interchanges), and evaluation methodology as well as performing technical analysis of solutions proposed by the study committee. An environmental analysis under NEPA and SEPA requirements of a new SR 518/SR 99 Interchange to address transportation demands in the study areas. The consultant will also be responsible for public involvement.

The budget for the consultant portion of the work to be done is approximately \$550,000 to \$650,000 for the SR 518 RDP and EA. The contract is contingent on the execution of an interlocal agreement with the Port of Seattle.

Project Description

Location: Entire length of SR 518 (milepost 0.00 to milepost 3.81)

Background: Two major transportation efforts are currently underway in this general area that have the ability to affect the state highway system. These are the Port of Seattle's Master Plan for SeaTac International Airport, which includes at least one new interchange at SR 518/SR 99 and Sound Transit's plan for light rail construction along either SR 518 or SR 99.

It is important that WSDOT be a partner in the planning effort that will be devoted to the Port's and Sound Move's projects to ensure that the state's interest is protected.

In addition, two other projects may impact operations at SR 518. The I-405 Corridor Program will overlap and potentially affect SR 518. And, when SR 509 is complete, volumes on SR 518 and SR 509 will be redistributed. Both are factors that should be considered in this planning effort. Consultant will be required to consider the impacts of both these projects on SR 518 future needs as well as develop conceptual designs for the SR 518/ SR 509 and I-405/SR 518 interchanges. Local jurisdictions and regional agencies plans and proposals along the corridor will also be included in the RDP.

Project Objective: To develop a transportation plan among the affected agencies and jurisdictions that will guide future improvements along SR 518, this portion of

SR 99, and the connecting interchanges. The end product of the contract is the completion of the RDP for the whole length of SR 518 corridor (including interchanges) and an EA for improvement at the SR 518/SR 99 Interchange.

Scope of the Contract

The consultant firm or team will aid WSDOT in working with the corridor stakeholders to come to agreement on a preferred alternative to meet travel demand needs for the year 2020 and beyond. The consultants will need to support a project advisory committee with technical, environmental and public input sufficient to support decisions and meet NEPA/SEPA public involvement requirements.

The contract requires the completion of a RDP for the whole length of the SR 518 corridor. A portion of the SR 518 RDP is completed including the Existing Conditions Report and the 2020 No Build Alternatives. The consultant is expected to use existing analysis to develop and evaluate up to four alternatives for the corridor including interchanges. The outcome will describe specific needed projects with cost estimates.

The SR 518/SR 99 EA will consider existing and future conditions, perform analysis for potential solutions and select a preferred alternative while meeting the formal requirements of NEPA/SEPA requirements on the SR 518/SR 99 Interchange.

Conditions of the Agreement

The consultant portion of the budget for the Environmental Analysis is estimated to be approximately \$550,000 to \$650,000. The contract is contingent on execution of an interlocal agreement with the Port of Seattle. The consultant will be selected from the proposals or with an interview. The SR 518 Environmental Analysis is expected to be completed in 18 months.

Required Services

The successful consultant will demonstrate in its proposal that it is the most qualified to successfully perform the RDP and SR 518 Environmental Analysis, which will include at least the following tasks:

Tasks specific to the SR 518 Environmental Analysis:

- Methodology Report - Develop and refine methodology for technical work to be performed under this study for strategy development and evaluation. Review with stakeholders.
- Generate up to four corridor alternatives that address the corridor needs through the year 2020 and beyond.

- Evaluation Process - Define an evaluation method for typical transportation decision making; criteria should be developed to allow for screening of strategies to get to a preferred alternative
- Transportation Model Development Refinement - Coordinate with stakeholders to refine and upgrade existing model. The model should be developed to allow for analysis, evaluation and screening of up to four alternatives. Include ability to evaluate costs and impacts at a corridor and regional level.
- Added Access Report - Within the context of the RDP, meet Federal Highway Administration requirements for an Added Access Report to evaluate the SR 518/SR 99 revised access proposal. Requirements can be found in the **Design Manual, Section 1425**.
- Environmental Assessment Process - Perform all data collection, criteria screening and technical analysis required by NEPA/SEPA for an EA.
- Public Information - Develop and implement appropriate press releases, web site and provide assistance to agency/stakeholder contacts and to meet NEPA/SEPA public involvement requirements.
- Support Project Advisory Committee - Present information to committees to aid in decision making. Facilitate meetings to assist with effective and efficient decision making.
- Reports - Prepare draft and final reports, drawings.

Evaluation Criteria and Submittal Requirements

Pursuant to state and federal regulations, a qualifications-based selection process will be used to select a consultant for each of these projects. The following information and criteria will be used to evaluate and rank responses (numbers in parenthesis indicate the relative weight assigned to each category):

Evaluation Criteria:

Pursuant to state and federal regulations, a qualifications-based selection process will be used to select a consultant for this project. The following information and criteria will be used to evaluate and rank responses:

Firm Profile (10 points)

Proposing consultants shall include a brief profile of their firm(s). This profile should provide an overview of the firm's areas of expertise (especially in the area of environmental process for transportation projects).

Professional qualifications and expertise of key personnel (20 points)

The project manager must be highly skilled at managing transportation NEPA projects to ensure that they are delivered within scope, according to schedule,

and within budget. The submittal should therefore discuss how the project manager will ensure consistently high quality of work, preferably through a formal quality management process. Submittals should indicate the project manager and other key personnel's proven performance and experience in managing and delivering transportation EA projects, ability to manage transportation EA projects in an environmentally and publicly sensitive arena, and use of value engineering in designing transportation projects.

Firm and/or Team Experience and Expertise (80 points distributed as outlined below)

Project team members should possess strong overall expertise in transportation planning, environmental analysis plus possess good communication skills with the public, agencies, and client(s). The team members, including in-house specialists, should have expertise and experience in the following areas:

- *Transportation Planning (25 points)*

Criteria Development and Evaluation for Alternative Analysis; Traffic Forecasting and Operational Analysis; Cost Estimating; Public and Stakeholder Outreach and Involvement; Geographic Information System (GIS), Website Experience and Economic Analysis.

- *Environmental Studies & Reports (30 points)*

Air quality; Noise; Energy; Geology and Soils; Waterways and Hydrological Systems; Flood Plains; Water Quality; Wetlands; Wildlife, Fisheries, and Vegetation; Farmland; Land Use; Community Cohesion; Environmental Justice; Recreation; Regional and Community Growth; Services; Pedestrian and Bicyclist Facilities; Employment; Tax Revenues; Property Values; Relocation; Historic and Archaeological Elements; Hazardous Waste; Visual Quality; Construction Activity Impacts; Irreversible and Irrecoverable Commitment of Resources; Relationship of Short-Term of Environment and Long-Term Productivity; Secondary and Cumulative Impacts.

- *Design Areas (25 points)*

Surveying; Computer Aid Drafting; Value Engineering; Public Relations Support; Hearings; Structural Engineering; Hydraulic Engineering; Geotechnical Engineering; Transportation Engineering & Design; Traffic Engineering, Right of Way & Access, Utility Conflicts, Computer Aided Engineering; Earthwork Calculations, Aerial Photogrammetry

Consultant Commitment (10 points)

The submittal should describe the firm's capability or team resources to accomplish the work in the required time frame of completing the EA and related design.

Recent Experience with Similar Projects (15 points)

This section of the submittal should contain brief descriptions of the consultant's recent and successful past performance on contracts with WSDOT, other governmental entities, and private industry for the type of work described above. The purpose of this section is to illustrate the background of the proposing firm(s) that is directly relevant to transportation EA management practices. For each project, the consultant should provide a brief description of what services were provided and the outcome of the projects. In addition, the project manager, start and end dates (actual and projected), the total dollar value (actual and projected) of each project should be provided. Also, the consultant shall describe its knowledge and use of WSDOT standards for each project.

References (10 points)

Submittals must provide at least three references for each firm. WSDOT prefers that the consultant provide references for similar projects. References should also be recent (within the last 2 years) or current clients. References for subcontractors (if applicable) should be relevant to the proposed role of these services. Provide the name, title, organization, and telephone number for each reference listed. References may be called during interviews, if interviews are necessary.

Special Conditions:

The consultant shall use a design software that is compatible with CAiCE Version 7.0.15 and a computer aided drafting software that is compatible with MicroStation Version 07.01.00.62.

There is a minimum 12 point font requirement for the basic text for the entire RFQ. Any charts, graphs, table of organizations, etc., must be of readable size. The maximum number of pages allowed is twenty-five (25) 8.5 x 11 inch, typed, and single sided. The page number limitation excludes the Submittal Information Packet and cover letter. It does include the following: table of contents, text, graphs, divider sheets, tab sheets, index, and appendices.

Four (4) copies of the submittals are **due no later than 5:00 p.m., August 16, 2000**, to Mr. Michael B. Rice, Consultant Administrator, Washington State Department of Transportation, Transportation Building, P.O. Box 47323, Olympia, WA 98504-7323. Submittals may be delivered by courier to Mr. Rice at 310 Maple Park Drive SE, Room 3D6. Late submittals, or those delivered by facsimile, electronic mail, or any other format other than bound paper copies, will be deemed non-responsive and will not be considered for the project.

Questions regarding the solicitation and selection process should be directed to Mr. Michael B. Rice, Director of Consultant Services at 360-705-7102.

Questions regarding the technical aspect of this RFQ should be directed to Ms. Carol Hunter at (206) 464-6231.